

Jinsong Zhu

List of Publications by Year in descending order

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104
papers

1,475
citations

361413

20
h-index

361022

35
g-index

105
all docs

105
docs citations

105
times ranked

1682
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Nd dopant on magnetic and electric properties of BiFeO ₃ thin films prepared by metal organic deposition method. Applied Physics Letters, 2006, 89, 242914.	3.3	242
2	Correlation among oxygen vacancies in bismuth titanate ferroelectric ceramics. Applied Physics Letters, 2004, 85, 4717-4719.	3.3	105
3	Rewritable ferroelectric vortex pairs in BiFeO ₃ . Npj Quantum Materials, 2017, 2, .	5.2	64
4	Multiferroic properties and dielectric relaxation of BiFeO ₃ •Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ double-layered thin films. Applied Physics Letters, 2007, 90, 252903.	3.3	53
5	Study of multiferroic properties in Bi ₅ Fe _{0.5} Co _{0.5} Ti ₃ O ₁₅ thin films. Journal of Applied Physics, 2012, 111, .	2.5	48
6	Multiferroic properties and magnetoelectric coupling in Fe/Co co-doped Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ ceramics. Journal of Materials Chemistry C, 2015, 3, 11868-11873.	5.5	44
7	Effect of BaTiO ₃ buffer layer on multiferroic properties of BiFeO ₃ thin films. Journal of Applied Physics, 2009, 105, 061618.	2.5	39
8	Dielectric response of Sr doped CaCu ₃ Ti ₄ O ₁₂ ceramics. Applied Physics Letters, 2007, 90, 112901.	3.3	37
9	Impact of annealing atmosphere on the multiferroic and dielectric properties of BiFeO ₃ /Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. Applied Physics A: Materials Science and Processing, 2009, 97, 699-704.	2.3	37
10	Studying the Polarization Switching in Polycrystalline BiFeO ₃ Films by 2D Piezoresponse Force Microscopy. Scientific Reports, 2015, 5, 12237.	3.3	30
11	Domain reversal and relaxation in LiNbO ₃ single crystals studied by piezoresponse force microscope. Applied Physics Letters, 2006, 89, 262907.	3.3	28
12	Multiferroic and dielectric properties of Bi ₄ LaTi ₃ FeO ₁₅ ceramics. Ceramics International, 2015, 41, S453-S457.	4.8	28
13	The exchange bias behavior of BiFeO ₃ nanoparticles with natural core-shell structure. Scientific Reports, 2018, 8, 2311.	3.3	28
14	Thickness-dependent structural and magnetic properties of BiFeO ₃ films prepared by metal organic decomposition method. Applied Physics Letters, 2010, 97, .	3.3	27
15	The effect of sintering temperature on magnetic and dielectric properties of Ho ₃ Fe ₅ O ₁₂ ceramics. Journal of Materials Science, 2011, 46, 3488-3492.	3.7	26
16	Critical radii of ferroelectric domains for different decay processes in LiNbO ₃ crystals. Applied Physics Letters, 2007, 91, 132902.	3.3	25
17	Effect of uniaxial stress on the polarization of SrBi ₂ Ta ₂ O ₉ thin films. Applied Physics Letters, 2000, 76, 3103-3105.	3.3	23
18	MAGNETIC PROPERTIES OF MULTIFERROIC BiFeO ₃ /BaTiO ₃ BI-LAYER THIN FILMS. Integrated Ferroelectrics, 2010, 113, 26-30.	0.7	22

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19	Tunable electric properties of PbZrO ₃ films related to the coexistence of ferroelectricity and antiferroelectricity at room temperature. Applied Physics Letters, 2012, 100, .	3.3	22
20	Growth evolution and decay properties of the abnormally switched domains in LiNbO ₃ crystals. Applied Physics Letters, 2008, 92, 172910.	3.3	21
21	Nonmonotonic variation of aging behavior in Fe-doped BaTiO ₃ ceramics. Applied Physics Letters, 2014, 105, .	3.3	21
22	Grain size and Fe ²⁺ concentration-dependent magnetic, dielectric, and magnetodielectric properties of Y ₃ Fe ₅ O ₁₂ ceramics. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 146-153.	1.8	21
23	Ferroelectric properties of polycrystalline bismuth titanate films by Nd ³⁺ /W ⁶⁺ cosubstitution. Journal of Applied Physics, 2005, 97, 084102.	2.5	20
24	Improved magnetic and magnetoelectric properties in BaFe ₁₂ O ₁₉ nanostructures. Physical Chemistry Chemical Physics, 2017, 19, 18023-18029.	2.8	20
25	Switching properties of Nd- and La-doped Bi ₄ Ti ₃ O ₁₂ thin films under applied stress. Physical Review B, 2005, 72, .	3.2	19
26	Multiferroic Properties of CoFe ₂ O ₄ /PbZr _{0.52} Ti _{0.48} O ₃ Composite Ceramics. Ferroelectrics, 2009, 380, 48-55.	0.6	19
27	Anomalous Electronic Anisotropy Triggered by Ferroelastic Coupling in Multiferroic Heterostructures. Advanced Materials, 2016, 28, 876-883.	21.0	19
28	Oxygen-Vacancy-Related Dielectric Relaxation in BiFeO ₃ Ceramics. Ferroelectrics, 2013, 450, 42-48.	0.6	18
29	Control of oxygen vacancies and their kinetic behaviours via reversible oxygen loss in BiFeO ₃ ceramics. Journal Physics D: Applied Physics, 2015, 48, 445301.	2.8	18
30	Dynamics and manipulation of ferroelectric domain walls in bismuth ferrite thin films. National Science Review, 2020, 7, 278-284.	9.5	18
31	Multiferroicity in 0.7Pb(Zr _{0.52} Ti _{0.48})O ₃ -0.3Pb(Ni _{1/3} Nb _{2/3})O ₃ ceramics. Applied Physics Letters, 2012, 100, .	3.3	17
32	Strain-driven magnetic phase transitions from an antiferromagnetic to a ferromagnetic state in perovskite MnO films. Physical Review B, 2018, 98, .	3.2	17
33	Conductive tail-to-tail domain walls in epitaxial BiFeO ₃ films. Applied Physics Letters, 2018, 113, .	3.3	15
34	Decay properties of artificial two-domain structures in LiNbO ₃ crystals studied by scanning probe microscope. Applied Physics Letters, 2010, 97, 202903.	3.3	12
35	Negative magnetodielectric effect in CaCu ₃ Ti ₄ O ₁₂ . Journal of Applied Physics, 2013, 114, .	2.5	12
36	Ferroelectric properties and the origin of the magnetism in the Bi ₆ Fe ₂ Ti ₃ O ₁₈ thin films. Journal of Materials Science, 2015, 50, 5475-5481.	3.7	11

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37	Combination of conductive filaments and Schottky behavior in multifunctional $\text{Sn}_{1-x}\text{Cu}_x\text{O}_2$ memristor. Applied Physics Letters, 2017, 111, .	3.3	10
38	Room-temperature magnetoelectric coupling in $\text{Bi}_4\text{LaFeTi}_3\text{O}_{15}$ multiferroic films. Journal of Alloys and Compounds, 2018, 747, 1002-1007.	5.5	10
39	Magnetic properties and enhanced magneto-dielectric effects in nanobased $\text{Bi}_2\text{Fe}_4\text{O}_9$. Journal Physics D: Applied Physics, 2018, 51, 295002.	2.8	10
40	Multi-susceptible single-phase $\text{BaAl}_x\text{Fe}_{12-x}\text{O}_{19}$ ceramics with both improved magnetic and ferroelectric properties. Applied Physics Letters, 2019, 114, .	3.3	10
41	A structural perspective on giant permittivity $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$: One way to quantum dielectric physics in solids. Open Ceramics, 2021, 6, 100126.	2.0	10
42	Enhanced recoverable energy storage density and efficiency in $(1-x)\text{Tb}_x\text{Ba}_{1-x}\text{Ti}_2\text{O}_7$ lead-free ceramics. Journal of Materials Chemistry C, 2022, 10, 3876-3885.	5.5	10
43	Magnetoelectric study in Terfenol-D/ $\text{Tb}_2(\text{MoO}_4)_3$ bilayer composite. Journal of Applied Physics, 2009, 105, 061622.	2.5	9
44	Optical properties of $\text{Bi}_{3.15}\text{Nd}_{0.85}\text{Ti}_3\text{O}_{12}$ nanostructures. Applied Physics Letters, 2009, 94, 092906.	3.3	9
45	Ferroelectric Behavior and Magnetocapacitance Effect Caused by Fe^{2+} in $\text{Ho}_3\text{Fe}_5\text{O}_{12}$ Ceramics. Ferroelectrics, 2013, 448, 71-76.	0.6	9
46	Induced core-shell structure and the electric properties of $(\text{K}_{0.48}\text{Na}_{0.52})_{0.95}\text{Li}_{0.05}\text{Nb}_{0.95}\text{Sb}_{0.05}\text{O}_3$ ceramics. Physical Chemistry Chemical Physics, 2017, 19, 1868-1874.	2.8	9
47	Ferroelectric surface chemistry: First-principles study of adsorption on the stoichiometric LiNbO_3 surface. Physical Review B, 2019, 100, .	2.3	9
48	Coeffect of size and stress in $\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ thin films. Applied Physics Letters, 2006, 89, 122910.	3.3	8
49	Drive frequency dependent phase imaging in piezoresponse force microscopy. Journal of Applied Physics, 2010, 108, .	2.5	8
50	Effect of oxygen vacancy on the magnetic and electric properties in MnTiO_3 ceramics. Materials Letters, 2015, 155, 71-74.	2.6	8
51	Strain engineering of magnetic and orbital order in perovskite LuMnO_3 epitaxial films. Physical Review B, 2019, 100, .	2.3	8
52	Multiferroic properties of aurivillius structure $\text{Bi}_4\text{SmFeTi}_3\text{O}_{15}$ thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 9945-9954.	2.2	7
53	Disorder-insensitivity of room-temperature giant permittivity in $\text{Ca}_4\text{Cu}_x\text{Ti}_4\text{O}_{12}$ ($x=3, 2$ and 1) polycrystalline ceramics. Journal of Applied Physics, 2019, 126, .	2.3	7
54	Magnetoelectric Coupling Triggered by Noncollinear Magnetic Structure in $\text{M}_2\text{Fe}_2\text{O}_7$ Type Hexaferrite. Advanced Quantum Technologies, 2021, 4, 2000096.	3.9	7

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55	Multiferroic Properties and Magnetoelectric Coupling of Fe-Doped (Ba _{0.7} Ca _{0.3})TiO ₃ -Ba(Zr _{0.2} Ti _{0.8})TiO ₃ . <i>Journal of Applied Physics</i> , 2011, 110, 052004.	1.8	14
56	Fatigue Melioration of Neodymium-Modified Bi ₄ Ti ₃ O ₁₂ Ceramics. <i>Integrated Ferroelectrics</i> , 2004, 65, 225-233.	0.7	5
57	MAXWELL-WAGNER MECHANISM INDUCED DIELECTRIC RELAXOR IN BiFeO ₃ /Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ FILM. <i>Integrated Ferroelectrics</i> , 2009, 110, 25-33.	0.7	5
58	Ferroelectric and dielectric properties of Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ nanotubes. <i>Journal of Applied Physics</i> , 2011, 110, 052004.	2.5	5
59	Structural and magneto-dielectric anomalies in Mn-doped Bi ₂ Fe ₄ O ₉ nanograins. <i>Journal of Applied Physics</i> , 2019, 125, 244104.	2.5	5
60	IMPROVED ELECTRIC PROPERTIES OF Nd-DOPED BiFeO ₃ THIN FILMS PREPARED BY METAL ORGANIC DECOMPOSITION METHOD. <i>Integrated Ferroelectrics</i> , 2008, 96, 112-119.	0.7	4
61	Stress impact on dielectric properties of Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ films. <i>Applied Physics Letters</i> , 2010, 96, 072902.	3.3	4
62	Optical Study of Tb ₂ (MoO ₄) ₃ Crystal. <i>Ferroelectrics</i> , 2010, 410, 69-74.	0.6	4
63	Study of mechanical and dielectric spectrum in YFe _{1-x} Mn _x O ₃ ceramics. <i>Journal of Applied Physics</i> , 2014, 115, 033508.	2.5	4
64	Dipole glass behavior of Fe-doped SrTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10700-10706.	2.2	4
65	Influence of Frenkel defects on endurance behavior in SnO ₂ :Cu memristors. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	4
66	Quantitative estimation of inter-dipole interaction energy in giant-permittivity CaCu ₃ Ti ₄ O ₁₂ solid bulks. <i>AIP Advances</i> , 2019, 9, .	1.3	4
67	Controllable Distribution and Reversible Migration of Charges in BiFeO ₃ -Based Films on Si Substrates. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43787-43794.	8.0	4
68	Mechanical stress induced voltage shift in polycrystalline Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. <i>Journal of Applied Physics</i> , 2009, 106, 084105.	2.5	3
69	Kinetics of linear domains in LiNbO ₃ single crystals polarized by scanning probe microscopy. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	3
70	Mechanical stress modified ferroelectric aging behavior. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	3
71	Mechanical stress effect on the crystallization behavior of Ge ₂ Sb ₂ Te ₅ films studied by electrical resistance measurement. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 506-509.	2.4	3
72	STUDY OF ANOMALOUS ELASTICITY OF YBa ₂ Cu ₃ O _{9-x} IN 90-260K. <i>International Journal of Modern Physics B</i> , 1987, 01, 439-442.	2.0	2

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73	Oriented growth in PZT thin films. <i>Integrated Ferroelectrics</i> , 2000, 30, 175-182.	0.7	2
74	Thickness effects on the physical properties in ferroelectric thin films. <i>Integrated Ferroelectrics</i> , 2001, 33, 271-279.	0.7	2
75	Doping Effects on the Properties and Microstructure of Intergrowth Bi ₄ Ti ₃ O ₁₂ -SrBi ₄ Ti ₄ O ₁₅ Thin Films. <i>Integrated Ferroelectrics</i> , 2002, 45, 183-188.	0.7	2
76	DOMAIN LIFETIME IN LiNbO ₃ CRYSTAL STUDIED BY SCANNING PROBE MICROSCOPY. <i>Integrated Ferroelectrics</i> , 2008, 98, 223-229.	0.7	2
77	Effect of SmFeO ₃ content on structure and multiferroic properties of mSmFeO ₃ -Bi ₄ Ti ₃ O ₁₂ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17872-17878.	2.2	2
78	Polarization switching in Bi _{0.8} La _{0.2} FeO ₃ films with ferroelectric/semiconductor heterojunctions. <i>Applied Physics Letters</i> , 2021, 118, 162904.	3.3	2
79	Domain behavior and polarization changes in ferroelectric films under stress. <i>Ferroelectrics</i> , 2001, 252, 305-312.	0.6	1
80	Effect of ultra-violet irradiation on SrBi ₂ Ta ₂ O ₉ thin film capacitors. <i>Ferroelectrics</i> , 2001, 251, 37-44.	0.6	1
81	Switching Properties of Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ Thin Films Prepared by Metalorganic Deposition Method. <i>Integrated Ferroelectrics</i> , 2004, 68, 269-278.	0.7	1
82	FERROELECTRIC PROPERTIES OF TANTALUM SUBSTITUTED BISMUTH TITANATE CERAMICS. <i>Integrated Ferroelectrics</i> , 2006, 84, 227-231.	0.7	1
83	INVESTIGATION ON EFFECTIVE DIMENSIONALITY OF DOMAIN GROWTH IN Bi ₄ Ti ₃ O ₁₂ FILMS. <i>Integrated Ferroelectrics</i> , 2006, 79, 63-70.	0.7	1
84	Study on optical, dielectric, and magnetic properties of Ba ₂ MnGe ₂ O ₇ ceramics. , 2012, , .		1
85	Permittivity order modulation by intrinsic dielectric coupling. <i>AIP Advances</i> , 2021, 11, 015354.	1.3	1
86	Monte Carlo simulation of ferroelectric polarization switching. <i>Integrated Ferroelectrics</i> , 2001, 32, 323-331.	0.7	0
87	Switching in ferroelectric thin film: Simulation with heterogeneous nucleation. <i>Ferroelectrics</i> , 2001, 252, 105-112.	0.6	0
88	PZT thin films with preferred-orientation induced by external stress. <i>Ferroelectrics</i> , 2001, 252, 337-344.	0.6	0
89	Extrinsic size effect on polarization switching in SrBi ₂ Ta ₂ O ₉ thin films. <i>Ferroelectrics</i> , 2001, 260, 39-44.	0.6	0
90	The Properties of Multi-Layered Pt/(Ba _{0.5} Sr _{0.5})TiO ₃ /Pb(Zr _{0.52} Ti _{0.48})O ₃ /(Ba _{0.5} Sr _{0.5})TiO ₃ /Pt Capacitors. <i>Integrated Ferroelectrics</i> , 2002, 46, 197-204.	0.7	0

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91	Switching Process in SBT Thin Films. <i>Integrated Ferroelectrics</i> , 2002, 48, 181-189.	0.7	0
92	Stress Impact in Nd Doped Bi ₄ Ti ₃ O ₁₂ Thin Films. <i>Integrated Ferroelectrics</i> , 2004, 65, 13-20.	0.7	0
93	Internal Friction Study of Neodymium-Modified Bismuth Titanate Ceramic. <i>Integrated Ferroelectrics</i> , 2004, 65, 213-223.	0.7	0
94	PRESSURE INDUCED DIELECTRIC CONSTANT SUPPRESSION IN CaCu ₃ Ti ₄ O ₁₂ CERAMICS. <i>Integrated Ferroelectrics</i> , 2005, 74, 123-130.	0.7	0
95	PHASE TRANSITION IN Pb(Mg _{1/3} Nb _{2/3}) _{0.68} TiO _{0.32} O ₃ SINGLE CRYSTAL. <i>Integrated Ferroelectrics</i> , 2005, 73, 157-164.	0.7	0
96	FIELD-DEPENDENT FERROELECTRIC PROPERTIES OF BLT THIN FILMS UNDER DIFFERENT STRESS. <i>Integrated Ferroelectrics</i> , 2006, 85, 175-180.	0.7	0
97	PHASE TRANSITION IN Pb(Mg _{1/3} Nb _{2/3}) _{0.68} TiO _{0.32} O ₃ SINGLE CRYSTAL. <i>Integrated Ferroelectrics</i> , 2006, 78, 319-326.	0.7	0
98	STRESS EFFECTS ON Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ THIN FILMS. <i>Integrated Ferroelectrics</i> , 2006, 79, 47-54.	0.7	0
99	SELF-ASSEMBLED CORE-SHELL POLYMER DIELECTRIC PREPARED BY SOLUTION CASTING PROCESS. <i>Integrated Ferroelectrics</i> , 2010, 113, 1-8.	0.7	0
100	Annealing Temperature Effect on Internal Strain and Ferroelectric Properties of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ Thin Films. <i>Ferroelectrics</i> , 2010, 400, 263-268.	0.6	0
101	In-plane electrical impedance as a probe for the electron nematicity of BaFe ₂ As ₂ . <i>AIP Advances</i> , 2019, 9, 035140.	1.3	0
102	Tailoring the electric and magnetic properties of Ba _{0.8} Sr _{0.2} TiO ₃ ceramics by unsaturated Fe-doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9860-9869.	2.2	0
103	Deviation from universal dielectric response in CaCu ₃ Ti ₄ O ₁₂ . <i>AIP Advances</i> , 2021, 11, 035124.	1.3	0
104	Adjustable negative electrocaloric effect in Pb _{1+x} ZrO ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19446-19454.	2.2	0